

Meeting Notes

Annual Meeting Between the U.S. Department of Energy, Office of River Protection (ORP) and the State of Washington, Department of Ecology (Ecology) to Discuss Interim Measures Completed in Fiscal Year 2014 and Planned for Fiscal Year 2015

Date: July 22, 2014

Location: Ecology Building, room 3B

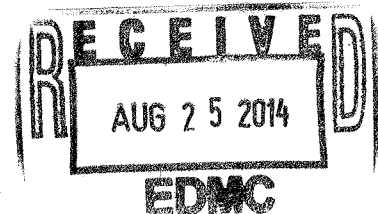
Purpose: Fulfill Hanford Federal Facility and Consent Order commitment M-045-56, "to meet yearly...for the establishment of additional Agreement interim measures."

Attendees: Jeff Lyon, Ecology; Jared Mathey, Ecology; Joe Caggiano, Ecology; Mike Barnes, Ecology; Jim Alzheimer, Ecology; Doug Hildebrand, ORP; Jeremy Johnson, ORP; Cole Snider, ORP; Dan Parker, Washington River Protection Solutions (WRPS); Dan Glaser, WRPS; Susan Eberlein, WRPS

Actions Completed in FY2014:

The following activities were discussed briefly:

- Interim measures work plan activities at SX Farm:
 - The SX pore water extraction test was completed per the approved work plan (RPP-PLAN-53080)
 - Results of the test were documented in RPP-RPT-56596, and transmitted to Ecology on May 15, 2014 (14-TF-0054)
 - The report included lessons learned and recommendations for future testing of the technology
- Interim measures work plan activities at U Farm:
 - The U Farm electrical resistivity characterization was completed per the approved work plan (RPP-PLAN-53080)
 - Results of the characterization were documented in RPP-RPT-56430, and transmitted to Ecology on February 20, 2014 (14-TF-0015)
 - Incorporation of the new results with historic data was presented to Ecology in a technical meeting on July 16, 2014
- Interim measures work plan activities at TX Farm:
 - The TX Farm direct push logging and sampling was completed per the approved work plan (RPP-PLAN-53080)
 - Analytical results have been provided to Ecology as they have been completed
 - The technical report on all results is being developed and will be provided to Ecology prior to September 30, 2014



m/s m-045-56

- Jeremy Johnson asked why U and TX farm had been selected for characterization. In response, it was noted that other farms had previously been characterized for potential placement of interim barriers, and U and TX were next in the priority list.
- Jeff Lyon asked why A and AX farms were not being considered in this meeting. In response, it was noted that characterization is occurring in A and AX in preparation for retrieval and the development of a performance assessment. However, performing interim measures at A and AX is unlikely because of the retrieval actions that are starting.
- A field deployment test of a prototype beta detection probe had been planned for FY2014, but was not completed. An effort is underway to perform the field test in FY2015.

Discussion of Possible Actions for FY2015

- Response to reported tank intrusions, with focus on Tank T-111
 - Jeremy Johnson noted that planning is underway to begin removal of liquids from tank T-111 using a portable ventilation system. The intention is to install the ventilation system and operate it in FY2015, evaluate the results, and use the results of this activity to plan future actions for other tanks.
 - In response to questions, Jeremy noted that the goal of the activity will be to remove free liquids in T-111, the performance will be monitored, and a plan is being developed that will include performance expectations. If the portable ventilation system does not perform as expected, an alternative approach has not yet been defined.
 - Jared Mathey noted that T-111 head space vapor sampling has occurred, and the results are needed to define the permitting process associated with the ventilation system.
 - It was proposed that a plan and schedule for system installation and operation could be provided to Ecology for their review by October.
 - Jeff Lyon indicated that Ecology would like to see the unit installed and operating by January of 2015. Jeremy Johnson noted that installation is expected before then, but operation will depend on the permitting requirements and other factors that have not been finalized.
 - Jim Alzheimer asked about the methods for monitoring the effectiveness of the ventilation system for removing liquid. Jeremy stated that the detailed plans are still being developed.
 - Jeff Lyon stated that Ecology would like an opportunity to provide input on the operating and evaluation plan.
 - It was agreed that an action from this meeting would be to provide the plan to Ecology for their review in October. In addition, a meeting may be scheduled before then to discuss the content of the plan with Ecology.

- Field deployment of a prototype beta probe
 - Field test of a beta probe prototype had been planned for FY 2014, but was deferred due to funding limitations.
 - Funding has been requested to perform the beta probe field test in FY2015, but the outcome of the request is not yet known.
 - During characterization of TX farm in 2014, one soil sampling location was identified with technetium concentrations that might provide an appropriate test location for a beta probe. Other locations in other farms have been identified during past sampling campaigns.
 - A list of potential sites for deployment will be developed and prioritized in terms of technical suitability, ease of access, and other factors.
 - A deployment plan will be developed, anticipating the possibility of funding.
 - It was agreed that an action from this meeting would be to provide the proposed deployment plan, including prioritized locations.
- It was agreed to defer additional discussions of interim measures pending completion of Consent Decree negotiations, currently anticipated for September. A follow-on meeting will be scheduled in the October 2014 time frame to continue discussions of future interim measures.

Actions Proposed for FY2015:

1. Provide a plan and schedule for the installation, operation, and evaluation of the T-111 ventilation system. Due October 31, 2014 (Jeremy Johnson)
2. Provide a document summarizing potential deployment locations for a field test of a beta probe, and describing the deployment plan. Include a proposed schedule. Due December 31, 2014 (Doug Hildebrand/Susan Eberlein)

Other Actions:

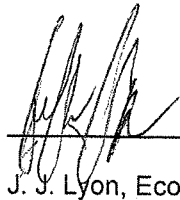
- Schedule a meeting in the October time frame to continue discussions of future interim measure (Susan Eberlein)

Concurrence:

 8-6-2014

R. D. Hildebrand, DOE

Date

 8-19-14

J. J. Lyon, Ecology

Date